CORONA TREATMENT SYSTEM

SAAPL®
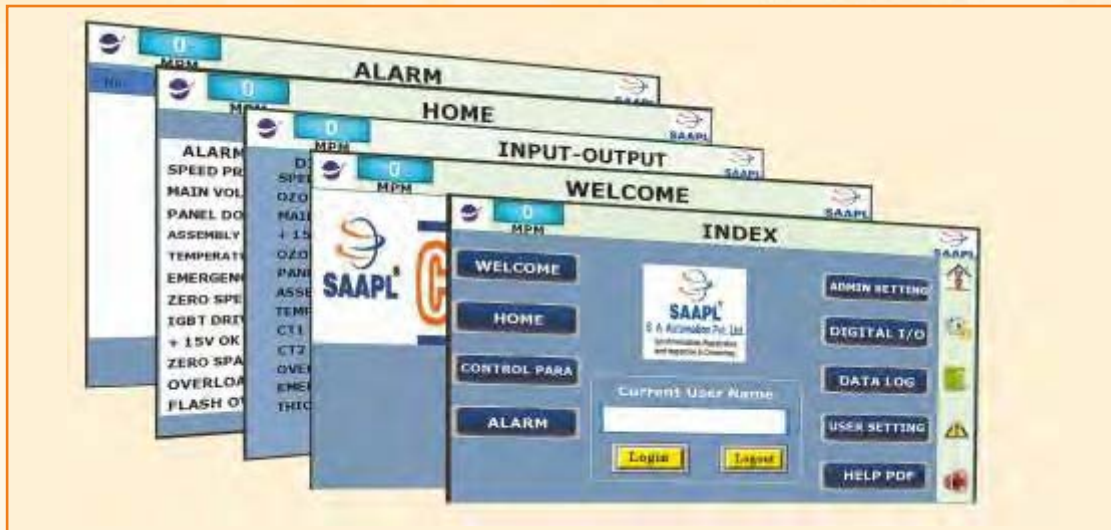S A Automation Pvt. Ltd.

FEATURES

- Real time IIoT compatible over wireless network supporting.
- Remote access via internet.
- Email notifications for completion of roll, consolidated job report, critical alarms & trends - predictive maintenance.
- Intelligent software detects mechanical & electrical failures quickly.
- Built-in feature of automatic opening and closing of electrodes during operation based on machine speed. No dependency on operator for this function.
- Flashover trip unique feature to prevent fire.
- Latest IGBT technology.
- Power efficiency above 90%.
- Stepless treatment power control.
- Zero speed / overload / short circuit trip with audio - visual (stack light) alarms.
- Advance protective circuits guard against : over temperature, over current and high voltage.
- Wide load matching 5 to 1.

WORKING

Surface tension of plastic film, paper, metal foils, teflon coated fiber glass cloth etc. is not sufficiently high to permit good wetting of inks / gums or lamination. Corona treatment makes films receptive to ink / lamination by including molecular changes on the film surface.

APPLICATIONS

- Blown film extrusion single layer/multilayer plastic film plants
- Woven sack roll on-line flexo printing machine
- Extrusion/Lamination coating plant for paper
- Lamination plant for aluminum foil / plastic film
- PVDC coating on PVC film for pharmaceuticals applications
- Sheet line plant
- Gum coating on PTFE coated fiber glass cloth
- Plastic moulded articles
- Rotogravure, flexographic, solventless coating, solventbase coating machines
- Label printing machine

SPECIFICATIONS

- **Treatment Power** : 500 Watts to 20 kW
- **Frequency** : 10 kHz to 45 kHz
- **Treatment Width** : 150 mm to 4400 mm
- **Material** : LDPE/LLDPE/HM/PTFE/Paper/Aluminum Foil/PVC/Kapton etc.
- **Max. Thickness** : 5 mm

Optional available with

FLAPPER SYSTEM
ENSURE DOOR TO OPEN AND PREVENTS DISTURBANCE TO ELECTRODES BY JOINT/SPLICE